

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art

: 2878

Examiner

: Stephone B. Allen

Applicants

: Kenneth Schofield, Mark L. Larson and Keith J. Vadas

Serial No.

: 09/441,341

Filed

: November 16, 1999

For

: VEHICLE HEADLIGHT CONTROL USING IMAGING SENSOR

Customer No.: 28101

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir or Madam:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.51, 1.56, 1.97 and 1.98, Applicants submit herewith patents, publications or other information listed on attached Forms PTO/SB/08A, PTO-1449 and PTO/SB/08B for consideration by the Examiner in connection with examination of the present application. A copy of the cited non-U.S. patent documents is provided in the enclosed 2 books.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

Under 37 CFR 1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

In accordance with 37 CFR 1.98(a)(3), Applicants submit herewith the following concise explanation of the relevance of FR 2,241,085, which was not provided in the English language or with an English translation of at least a portion of the document: FR 2,241,085 discloses a device for viewing a field at the rear of a vehicle.

The Supplemental Information Disclosure Statement transmitted herewith is being filed after the mailing date of the first Office Action on the merits, but before the mailing date of either:

- (1) A final action under § 1.113; or
- (2) A Notice of Allowance under § 1.311, which ever occurs first.

Accompanying this Supplemental Information Disclosure Statement is the fee of \$180.00 set forth in 37 C.F.R. § 1.17(p) for submission of an Information Disclosure Statement under § 1.97(c).

Attached is a check in the amount of \$180.00. Please charge any additional fees, or credit any overpayment, to Deposit Account 22-0190. A duplicate copy of this sheet is enclosed.

A Notice of Allowance is earnestly and respectfully requested.

Respectfully submitted,

KENNETH SCHOFIELD ET AL.

By: Van Dyke, Gardner, Linn & Burkhart, LLP

Dated: January 4, 2007

Timothy A. Flory

Registration No. 42 540

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PATENT DON01 P-770

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Alexandria, VA 22313-1450

Dear Sir or Madam:

CERTIFICATE OF MAILING

I certify that the attached return postcard; check in the amount of \$180; Amendment (12 pages); Supplemental Information Disclosure Statement (2 pages, in duplicate); Forms

PTO/SB/08A and PTO-1449 (17 pages) and a copy of the non-U.S. patent references (2 books) are being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on January 4, 2007.

Elaine L. Leva

Van Dyke, Gardner, Linn & Burkhart, LLP

X. Xeva

2851 Charlevoix Drive, S.E.

P.O. Box 888695

Grand Rapids, MI 49588-8695

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TAF/ell Enclosures

PTO/SB/08A (07-05)

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(Use as many sheets as necessary)

of

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Comp	Complete if Known					
Application Number	09/441,341					
Filing Date	November 16, 1999					
First Named Inventor	Kenneth Schofield					
Art Unit	2878					
Examiner Name	Stephone B. Allen					
Attorney Docket Number	DON01 P-770					

persons are required to respond to a collection of information unless it contains a valid OMB control number.

	U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (ff known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		US-5,845,000	12-01-1998	Breed et al.				
		US-5,660,454	08-26-1997	Mori et al.				
		US-6,396,397	05-28-2002	Schofield et al.				
		US-6,822,563	11-23-2004	Bos et al.				
		US-5,949,331	09-07-1999	Schofield et al.				
		US-4,768,135	08-30-1988	Kretschmer et al.				
		US-6,097,023	08-01-2000	Schofield et al.				
		US-6,559,435	05-06-2003	Schofield et al.				
		US-6,320,176	11-20-2001	Schofield et al.				
		US-6,953,253	10-11-2005	Schofield et al.				
		US-6,802,617	10-12-2004	Schofield et al.				
		US-6,523,964	02-25-2003	Schofield et al.				
		US-6,302,545	10-16-2001	Schofield et al.				
		US-2006/0028731-A1	02-09-2006	Schofield et al.				
		US-3,601,614	08-24-1971	Platzer				
		US-3,612,666	10-12-1971	Rabinow				
		US-3,665,224	05-23-1972	Kelsey				
		US-3,680,951	08-01-1972	Jordan				
		US-3,746,430	07-17-1973	Brean				
		US-3,807,832	04-30-1974	Castellion				
		US-3,811,046	05-14-1974	Levick				
		US-3,813,540	05-28-1974	Albrecht				
		US-3,862,798	01-28-1975	Hopkins				
		US-3,962,600	06-08-1976	Pittman				

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant	T		
		(if known)			Figures Appear	6		
		JP 06-267304	09-22-1994	Toyota Motor Corp.		X		
		JP 06276524 A	09-30-1994	Toyota Motor Corp.		X		
		JP 06-295601	10-21-1994	Toyota Motor Corp.		X		
		JP 7-32936	02-03-1995	Toyota Motor Corp		X		
		JP 7-47878	02-21-1995	Toyota Motor Corp.		Х		
		JP 7-052706	02-28-1995	Toyota Motor Corp.		Х		
		JP 7-69125	03-14-1995	Toyota Motor Corp.	· -	Х		
		JP 62-131837	06-15-1987	Hirohiko Yanagawa		X		
		WO-9419212-A	09-01-1994	Donnelly Corp.				

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation it not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese

USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.0, Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (07-05)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Sheet

Application Number	09/441,341
Filing Date	November 16, 1999
First Named Inventor	Kenneth Schofield
Art Unit	2878
Examiner Name	Stephone B. Allen
Attorney Docket Number	DON01 P-770

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (ft known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1	US-3,986,022	10-12-1976	Hyatt		
	Î	US-4,161,653	07-17-1979	Bedini		
		US-4,200,361	04-29-1980	Malvano		
		US-4,249,160	02-03-1981	Chilvers		
		US-4,266,856	05-12-1981	Wainwright		
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		US-4,512,637	04-23-1985	Ballmer		
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		US-4,580,875	04-08-1986	Bechtel		
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		US-4,614,415	09-30-1986	Hyatt		
		US-4,623,222	11-18-1986	Itoh		
		US-4,629,941	12-16-1986	Ellis		
		US-4,632,509	12-30-1986	Ohmi		
		US-4,669,825	06-02-1987	Itoh		
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		US-4,671,615	06-09-1987	Fukada		
		US-4,672,457	06-09-1987	Hyatt		
	L	US-4,676,601	06-30-1987	Itoh		
		US-4,690,508	09-01-1987	Jacob		
		US-4,697,883	10-06-1987	Suzuki		

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		ame of Patente cant of Cited D		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T 6
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patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known Substitute for form 1449/PTO 09/441,341 Application Number ORMATION DISCLOSURE November 16, 1999 Filing Date Kenneth Schofield MENT BY APPLICANT First Named Inventor Use 🛗 many sheets as necessary) 2878 Art Unit Stephone B. Allen **Examiner Name** 17 **DON01 P-770** of Attorney Docket Number

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		US-4,701,022	10-20-1987	Jacob				
		US-4,727,290	02-23-1988	Smith				
		US-4,741,603	05-03-1988	Miyagi				
	 	US-4,793,690	12-27-1988	Cahan				
	 	US-4,820,933	04-11-1989	Hong				
		US-4,838,650	06-13-1989	Stewart				
	1	US-4,886,960	12-12-1989	Molyneux				
	1	US-4,896,030	01-23-1990	Miyaji				
	1	US-4,916,374	04-10-1990	Schierbeek				
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	Ī	US-4,991,054	02-05-1991	Walters				
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		US-5,064,274	11-12-1991	Alten				
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		US-5,848,802	12-15-1998	Breed et al.				
		US-5,416,318	05-16-1995	Hegyi				
		US-6,442,465	08-27-2002	Breed et al.				

		FORE	IGN PATENT DO	CUMENTS			
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First Named Inventor Kenneth Schofield

Art Unit 2878

Examiner Name Stephone B. Allen

Attorney Docket Number DON01 P-770

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	 	US-6,433,676	08-13-2002	DeLine et al.			
	 	US-6,243,003	06-05-2001	DeLine et al.			
	 	US-6,650,233	11-18-2003	DeLine et al.			
	 	US-6,831,261	12-14-2004	Schofield et al.			
	 						
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	EP	48810	10-1988				
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PARM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 232) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DON01 P-770	SERIAL NO. 09/441,341	
JAN 0 8 7007 INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANTS Kenneth Schofield et al.		
(Use several sheets if necessary)	FILING DATE November 16, 1999	GROUP 2878	

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	5	8	9	6	0	8	5	04-1999	Mori et al.	340	469	
	5	8	9	0	0	2	1	03/30/99	Onoda	396	121	
	5	8	8	3	7	3	9	03/16/99	Ashihara et al.	359	462	
	5	8	6	7	5	9	1	02/02/99	Onda	382	154	
	5	8	5	0	1	7	6	12/15/98	Kinoshita et al.	340	435	
	5	5	3	0	4	2	0	06-1976	Tsuchiya et al.	340	435	
	5	4	1	4	4	6	1	05-1995	Kishi et al.	348	115	
	5	0	2	7	0	0	1	09-1991	Torbert	307	10.1	
	6	7	1	7	6	1	0	04-2004	Bos et al.	348	148	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS		NSLA-
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	DATE CONSIDERED	

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

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APPLICANTS Kenneth Schofield et al.	
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U.S. PATENT DOCUMENTS

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		4	9	1	0	5	9	1	03/90	Petrossian et al.					
		5	0	2	7	2	0	0	06/91	Petrossian et al.					
		5	2	8	9	3	2	1	02/94	Secor					
	ļ	4	7	1	3	6	8	5	12/87	Nishimura et al.					
		5	4	3	0	4	3	1	07/95	Nelson					
		5	4	1	0	3	4	6	04/95	Saneyoshi et al.					

FOREIGN PATENT DOCUMENTS

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	3	2	4	8	5	1	1 <i>A1</i>	07/84	Germany			Abst.	

EXAMINER INITIAL OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

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JAN (1 8 2007 (Use several sheets if necessary)	FILING DATE November 16, 1999	GROUP 2878	
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		5	4	0	6	3	9	5	04/95	Wilson et al.			
	ļ	5	3	8	6	2	8	5	01/95	Asayama			
		5	3	5	5	1	1_	8	10/94	Fukuhara			
		5	3	3	1	3	1	2	07/94	Kudoh			
		5	3	2	5	0	9	6	06/94	Pakett			
		5	3	0	7	1	3	6	04/94	Saneyoshi			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB- CLASS	TRANSL TION	
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		2	5	8	5	9	9	1	02/87	France			Abst.	
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PEREV. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

JAN 0 8 2007

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ATTY. DOCKET NO.	SERIAL NO.			
DON01 P-770	09/441,341			
APPLICANTS Kenneth Schofield et al.				
FILING DATE	GROUP			
November 16, 1999	2878			

U.S. PATENT DOCUMENTS

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		5	2	4	5	4	2	2	09/93	Borcherts et al.				
		5	1	2	1	2	0	0	06/92	Choi				
		5	0	9	6	2	8	7	03/92	Kakinami et al.				
		5	0	0	1	5	5	8	03/91	Burley et al.				
		4	9	8	7	3	5	7	01/91	Masaki				
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FOREIGN PATENT DOCUMENTS

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NFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANTS Kenneth Schofield et al.				
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	_	4	9	3	7	7	9	6	06/90	Tendler				
		4	8	9	2	3	4	5	01/90	Rachael, III				
		4	8	7	2	0	5	1	10/89	Dye				
	L.	4	8	4	7	7	7	2	07/89	Michalopoulos et al.				
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Ref. 2-32) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. SERIAL NO. 09/441,341						
JAN 0 8 2007 STATEMENT BY APPLICANT	APPLICANTS Kenneth Schofield et al.						
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		4	7	3	1	6	6	9	03/88	Hayashi et al.			
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		4	6	2	6	8	5	0	12/86	Chey			
		4	4	2	0	2	3	8	12/83	Felix			
		4	2	8	8	8	1	4	09/81	Talley et al.			
		4	2	7	7	8	0	4	07/81	Robison			

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OFORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 223) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DON01 P-770	SERIAL NO. 09/441,341	
NFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANTS Kenneth Schofield et al.		
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		4	2	4	7	8	7	0	01/81	Gabel et al.			
		4	2	1	4	2	6	6	07/80	Myers			
	ļ	4	0	9	3	3	6	4	06/78	Miller			
		4	0	5	2	7	1	2	10/77	Ohama et al.			
		3	6	8	9	6	9	5	09/72	Rosenfield et al.			
		3	1	4	1	3	9	3	07/64	Platt			

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE O Res. 2-32) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DON01 P-770	SERIAL NO. 09/441,341
JAN 0 8 2007 STATEMENT BY APPLICANT	APPLICANTS Kenneth Schofield et al.	
(Use several sheets if necessary)	FILING DATE November 16, 1999	GROUP 2878

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	5	5	7	4	4	4	3	11/96	Hsieh			
	5	5	4	1	5	9	0	07/96	Nishio			
	5	5	2	9	1	3	8	06/96	Shaw et al.			
	5	5	1	5	4	4	8	05/96	Nishitani			
	4	2	1	4	2	6	6	07/80	Myers			

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	2	6	7	3	4	9	9	09/92	France			Abst.	
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	5	3	4	1	4	3	7	08/94	Nakayama			
	5	3	2	5	3	8	6	06/94	Jewell et al.			
	5	3	0	5	0	1	2	04/94	Faris		 	
	 5	7	9	3	3	0	8	08/98	Rosinski et al.			

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	6	4	2	4	5	8	8	6	09/92	Japan			Abst.	
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	5	4	2	4	9	5	2	06/1995	Asayama	364	443	
	6	5	5	3	1	3	0	04/2003	Lemelson et al.	382	104	

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		0	5	1	3	4	7	6A 1	11/1992	Europe				
	5	5	0	3	9	8	4	3	03/1980	Japan			Abst.	
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO. DON01 P-770	SERIAL NO. 09/441,341
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/	Kenneth Schofield et al.	
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(Use several sheets if necessary)	<u> </u>	2070

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	6	2	0	1	6	4	2	3/01	Bos	359	565	
	5	7	6	0	8	2	8	6/98	Cortes	348	143	
	 5	7	6	0	8	2	6	6/98	Nayer	348	36	
	5	6	4	8	8	3	5	7/97	Uzawa	396	429	4/7/95
	5	4	0	6	3	9	5	4/95	Wilson et al.	359	15	
	5	2	0	8	7	0	1	5/93	Maeda	359	574	
	5	0	4	4	7	0	6	9/91	Chen	359	357	
	5	0	1	6	9	7	7	5/91	Baude et al.	350	162.17	
	4	8	9	5	7	9	0	1/90	Swanson et al.	430	321	
	4	6	4	7	1	6	1	3/87	Müller	350	462	
	4	3	8	1	8	8	8	5/83	Momiyama	350	458	
	3	9	4	7	0	9	5	3/76	Moultrie	350	302	3/74

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	wo	9	6	3	8	3	1	9	12/96	РСТ				
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		2	2	4	1	0	8	5	3/75	France				
	GB	2	3	2	7	8	2	3A	2/99	United Kingdom				
		2	9	3	1	3	6	8 A1	2/81	Germany			Abst.	
	wo	9	7	3	5	7	4	3	10/97	PCT				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Comp	olete if Known
Application Number	19/441,341
Filing Date	November 16, 1999
First Named Inventor	Kenneth Schofield
Art Unit	2878
Examiner Name	Stephone B. Allen
Attorney Docket Number	DON01 P-770

	U. S. PATENT DOCUMENTS												
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (ff known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear								

		FORE	IGN PATENT D	OCUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T 6
		EP 0,426,503	05-1991	Donnelly Corp.	I	
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	Ι	FR 2,513,198	03-1983	Herrmann		X
		DE 2,808,260	08-1979	Keck		X
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		DE 4,118,208	11-1991	Veit		X
		JP 57-173801	10-1982	Ichikoh IND LTD		
		JP 57-208530	12-1982	Ichikoh IND LTD		1
		JP 57-208531	12-1982	Ichikoh IND LTD		
		JP 58-19941	02-1983	Toshiba		
		JP 3,284,413	12-1991	Suzuki		
		GB 1,535,182	12-1978	Ackroyd et al.		
		GB 2,029,343	03-1980	Rickson et al.		l
		GB 2,119,087	11-1983	Krippner et al.		
		GB 2,137,373	10-1984	Salomon et al.		
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		JP 59-51325	03-1984	Shimadzu Corp.		
		JP 0-212730	10-1985	Ichikoh IND LTD		

Examiner	Date	
Signature	Considered	

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of

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Complete if Known					
Application Number	09/441,341				
Filing Date	November 16, 1999				
First Named Inventor	Kenneth Schofield	_			
Art Unit	2878				
Examiner Name	Stephone B. Allen				
Attorney Docket Number	DON01 P-770				

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Decision - Motions - Bd. R. 125(a), issued August 29, 2006 in connection with Interference No. 105,325, which involved U.S. patent application Serial No. 09/441,341, filed November 16, 1999 by Schofield et al. and U.S. Patent No. 5,837,994, issued to Stam et al.	
			
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